10/564823
IAP15 Rec'd PCT/PTO 18 JAN 2006

SEQUENZPROTOKOLL

<110> Charité - Universitätsmedizin Berlin

<120> 7a5/Prognostin and its Use for the Diagnostics and Therapy of Tumours

<130> U30057PCT

<160> 7

<170> PatentIn version 3.2

<210> 1
<211> 2559
<212> DNA
<213> Homo sapiens

<400> 1
atgctaatca ctgaaagaaa acattttcgg tcaggaagaa ttgcacaaag tatgtctgaa 60

gcaaatttga ttgacatgga agctggaaaa ctctcaaaaa gttgcaatat tacagaatgc 120

caggacccag acttgcttca caattggccg gatgctttca cccttcgtgg taataatgct 180

tccaaagttg caaatccatt ctggaatcaa ctgtctgctt ctaacccatt tttggatgac 240

ataactcaac taagaaataa caggaagaga aataatattt ccatcttaaa ggaagatcct 300

tttcttttct gtagagaaat agaaaatgga aattcttttg attcctccgg tgatgaactt 360

gatgtgcatc agttacttag gcagacttcc tcaagaaatt ctggaagatc taaaagtgtt 420

tcagaacttc tggacatttt agacgacaca gcacatgccc atcagagtat acataactct 480

gaccagatcc tactacacga cttagagtgg cttaaaaatg atcgggaggc ttataaaatg 540

gcttggttaa gtcaacgcca gctggcccgc tcctgccttg atttgaatac aattagtcag 600

agccctggat gggcccagac acaacttgcg gaggtcacca tagcttgcaa agtaaaccat 660

caaggagggt cagtacaatt acctgaatca gacatcactg ttcatgtgcc ccaaggtcat 720

gtggctgtgg gagaattcca agaggtgtct ctaagggctt tccttgatcc gccacacatg 780

cttaaccatg atctttcgtg cactgtgagc ccgttgttgg aaatcatgtt aggcaacctc 840

aatacaatgg aagccctttt gctggagatg aaaattgggg ctgaagtaag aaaggatcct 900

ttcagccaag tcatgacaga aatggtgtgt ttacacagct tgggtaaaga aggccctttt 960

aaagttttaa gcaactgcta catttataaa gacaccatcc aagtcaagct aatcgacttg 1020

agtcaggtaa tgtatctagt ggttgctgca caagctaaag ctcttccgtc accagctgcc 1080

accatttggg attatatcca caaaaccacc tcaattggaa tttatggacc caaatatatc 1140

catcccagtt ttactgttgt tttaacagtt tgtggacaca attatatgcc aggacagctt 1200

acaatttctg atattaagaa gggtggaaaa aacatatctc cagttgtgtt tcagctctgg 1260

gggaagcagt catttttact tgacaagcca caagatttaa gtatttctat tttttcctgt 1320

gatcctgatt ttgaagtaaa gacagaagga gaaaggaaag aaattaaaca aaagcagttg 1380

gaagcaggtg aagtagttca tcaacaattt ttatttttctt tagttgagca cagagagatg 1440

cacttgtttg atttttgtgt tcaagtggag cctcccaatg gtgaaccagt tgcacagttc 1500

tctatcacta ctcctgatcc aaccccaaac ctaaaaagac tctcgaatct gccaggctat 1560

ttgcagaaga aggaggaaat caagtctgct cctttatcac caaaaattct tgttaaatat 1620

cctacatttc aagataaaac attgaacttt agcaactatg gggtaaccct gaaggcagtg 1680

ctaagacaaa gcaagattga ttacttcctt gaatatttca aaggggacac aatagctctc 1740

ctcggggaag gtaaggtaaa agctattggt cagtccaaag tgaaagaatg gtatgtagga 1800

gtcctcagag gtaagattgg acttgtacac tgcaaaaatg tcaaggtgat ttcaaaggag 1860

caagtaatgt ttatgtcaga tagtgtcttt acaaccagaa atcttcttga acagattgtc 1920

ctgcctttaa aaaaattgac ttatatctac tcagttgtat taaccttggt gtcagaaaaa 1980

gtttatgatt ggaaagtttt agctgatgtc ctgggttact cacatctgtc cctggaagat 2040

tttgatcaaa ttcaagcaga caaagaatca gagaaagttt cttatgttat aaagaagtta 2100

aaggaagatt gccacacaga gagaaataca aggaagtttc tgtatgaact tattgtggct 2160

cttctgaaaa tggattgcca agagttagtc gcacgtctca tccaagaagc tgctgttctg 2220

acttcagctg tcaagcttgg aaaaggctgg agggaactag ctgaaaagtt agtacgactc 2280

acaaagcaac aaatggaggc atatgaaatt cctcatcgag gaaacactgg agatgttgct 2340

gttgagatga tgtggaaacc tgcctatgat tttctgtata cctggagtgc tcactatgga 2400

aataactaca gagatgtgtt acaagacctt cagtcagctt tggacagaat gaaaaaccct 2460

gtgactaaac actggagaga attaactgga gttttaatac tagtaaattc tttggaggtt 2520

ttgagagtaa ctgcattctc cacttctgag gaagtatag 2559

<210> 2
<211> 852
<212> PRT
<213> Homo sapiens

<400> 2

Met Leu Ile Thr Glu Arg Lys His Phe Arg Ser Gly Arg Ile Ala Gln
1 5 10 15

Ser Met Ser Glu Ala Asn Leu Ile Asp Met Glu Ala Gly Lys Leu Ser
20 25 30

Lys Ser Cys Asn Ile Thr Glu Cys Gln Asp Pro Asp Leu Leu His Asn
35 40 45

Trp Pro Asp Ala Phe Thr Leu Arg Gly Asn Asn Ala Ser Lys Val Ala

```
    50                  55                  60

Asn Pro Phe Trp Asn Gln Leu Ser Ala Ser Asn Pro Phe Leu Asp Asp
65                  70                  75                  80

Ile Thr Gln Leu Arg Asn Asn Arg Lys Arg Asn Asn Ile Ser Ile Leu
                85                  90                  95

Lys Glu Asp Pro Phe Leu Phe Cys Arg Glu Ile Glu Asn Gly Asn Ser
            100                 105                 110

Phe Asp Ser Ser Gly Asp Glu Leu Asp Val His Gln Leu Leu Arg Gln
        115                 120                 125

Thr Ser Ser Arg Asn Ser Gly Arg Ser Lys Ser Val Ser Glu Leu Leu
    130                 135                 140

Asp Ile Leu Asp Asp Thr Ala His Ala His Gln Ser Ile His Asn Ser
145                 150                 155                 160

Asp Gln Ile Leu Leu His Asp Leu Glu Trp Leu Lys Asn Asp Arg Glu
                165                 170                 175

Ala Tyr Lys Met Ala Trp Leu Ser Gln Arg Gln Leu Ala Arg Ser Cys
            180                 185                 190

Leu Asp Leu Asn Thr Ile Ser Gln Ser Pro Gly Trp Ala Gln Thr Gln
        195                 200                 205

Leu Ala Glu Val Thr Ile Ala Cys Lys Val Asn His Gln Gly Gly Ser
    210                 215                 220

Val Gln Leu Pro Glu Ser Asp Ile Thr Val His Val Pro Gln Gly His
225                 230                 235                 240

Val Ala Val Gly Glu Phe Gln Glu Val Ser Leu Arg Ala Phe Leu Asp
                245                 250                 255

Pro Pro His Met Leu Asn His Asp Leu Ser Cys Thr Val Ser Pro Leu
            260                 265                 270

Leu Glu Ile Met Leu Gly Asn Leu Asn Thr Met Glu Ala Leu Leu Leu
        275                 280                 285

Glu Met Lys Ile Gly Ala Glu Val Arg Lys Asp Pro Phe Ser Gln Val
    290                 295                 300
```

```
Met Thr Glu Met Val Cys Leu His Ser Leu Gly Lys Glu Gly Pro Phe
305                 310                 315                 320

Lys Val Leu Ser Asn Cys Tyr Ile Tyr Lys Asp Thr Ile Gln Val Lys
                325                 330                 335

Leu Ile Asp Leu Ser Gln Val Met Tyr Leu Val Val Ala Ala Gln Ala
            340                 345                 350

Lys Ala Leu Pro Ser Pro Ala Ala Thr Ile Trp Asp Tyr Ile His Lys
        355                 360                 365

Thr Thr Ser Ile Gly Ile Tyr Gly Pro Lys Tyr Ile His Pro Ser Phe
    370                 375                 380

Thr Val Val Leu Thr Val Cys Gly His Asn Tyr Met Pro Gly Gln Leu
385                 390                 395                 400

Thr Ile Ser Asp Ile Lys Lys Gly Gly Lys Asn Ile Ser Pro Val Val
                405                 410                 415

Phe Gln Leu Trp Gly Lys Gln Ser Phe Leu Leu Asp Lys Pro Gln Asp
            420                 425                 430

Leu Ser Ile Ser Ile Phe Ser Cys Asp Pro Asp Phe Glu Val Lys Thr
        435                 440                 445

Glu Gly Glu Arg Lys Glu Ile Lys Gln Lys Gln Leu Glu Ala Gly Glu
    450                 455                 460

Val Val His Gln Gln Phe Leu Phe Ser Leu Val Glu His Arg Glu Met
465                 470                 475                 480

His Leu Phe Asp Phe Cys Val Gln Val Glu Pro Pro Asn Gly Glu Pro
                485                 490                 495

Val Ala Gln Phe Ser Ile Thr Thr Pro Asp Pro Thr Pro Asn Leu Lys
            500                 505                 510

Arg Leu Ser Asn Leu Pro Gly Tyr Leu Gln Lys Lys Glu Glu Ile Lys
        515                 520                 525

Ser Ala Pro Leu Ser Pro Lys Ile Leu Val Lys Tyr Pro Thr Phe Gln
    530                 535                 540

Asp Lys Thr Leu Asn Phe Ser Asn Tyr Gly Val Thr Leu Lys Ala Val
545                 550                 555                 560
```

```
Leu Arg Gln Ser Lys Ile Asp Tyr Phe Leu Glu Tyr Phe Lys Gly Asp
                565                 570                 575

Thr Ile Ala Leu Leu Gly Glu Gly Lys Val Lys Ala Ile Gly Gln Ser
            580                 585                 590

Lys Val Lys Glu Trp Tyr Val Gly Val Leu Arg Gly Lys Ile Gly Leu
        595                 600                 605

Val His Cys Lys Asn Val Lys Val Ile Ser Lys Glu Gln Val Met Phe
    610                 615                 620

Met Ser Asp Ser Val Phe Thr Thr Arg Asn Leu Leu Glu Gln Ile Val
625                 630                 635                 640

Leu Pro Leu Lys Lys Leu Thr Tyr Ile Tyr Ser Val Val Leu Thr Leu
                645                 650                 655

Val Ser Glu Lys Val Tyr Asp Trp Lys Val Leu Ala Asp Val Leu Gly
            660                 665                 670

Tyr Ser His Leu Ser Leu Glu Asp Phe Asp Gln Ile Gln Ala Asp Lys
        675                 680                 685

Glu Ser Glu Lys Val Ser Tyr Val Ile Lys Lys Leu Lys Glu Asp Cys
    690                 695                 700

His Thr Glu Arg Asn Thr Arg Lys Phe Leu Tyr Glu Leu Ile Val Ala
705                 710                 715                 720

Leu Leu Lys Met Asp Cys Gln Glu Leu Val Ala Arg Leu Ile Gln Glu
                725                 730                 735

Ala Ala Val Leu Thr Ser Ala Val Lys Leu Gly Lys Gly Trp Arg Glu
            740                 745                 750

Leu Ala Glu Lys Leu Val Arg Leu Thr Lys Gln Gln Met Glu Ala Tyr
        755                 760                 765

Glu Ile Pro His Arg Gly Asn Thr Gly Asp Val Ala Val Glu Met Met
    770                 775                 780

Trp Lys Pro Ala Tyr Asp Phe Leu Tyr Thr Trp Ser Ala His Tyr Gly
785                 790                 795                 800

Asn Asn Tyr Arg Asp Val Leu Gln Asp Leu Gln Ser Ala Leu Asp Arg
                805                 810                 815
```

Met Lys Asn Pro Val Thr Lys His Trp Arg Glu Leu Thr Gly Val Leu
820 825 830

Ile Leu Val Asn Ser Leu Glu Val Leu Arg Val Thr Ala Phe Ser Thr
835 840 845

Ser Glu Glu Val
850

<210> 3
<211> 21
<212> DNA
<213> Homo sapiens

<400> 3
ttcttttgat tcctccggtg a 21

<210> 4
<211> 20
<212> DNA
<213> Homo sapiens

<400> 4
actctgatgg gcatgtgctg 20

<210> 5
<211> 32
<212> DNA
<213> Homo sapiens

<400> 5
gcagacttcc tcaagaaatt ctggaagatc ta 32

<210> 6
<211> 32
<212> DNA
<213> Homo sapiens

<400> 6
agtgtttcag aacttctgga cattttagac ga 32

<210> 7
<211> 21
<212> DNA
<213> Homo sapiens

<400> 7
aagcttggaa aaggctggag g 21